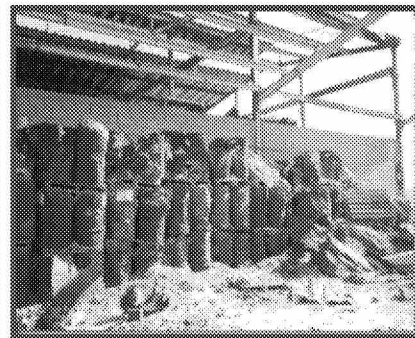
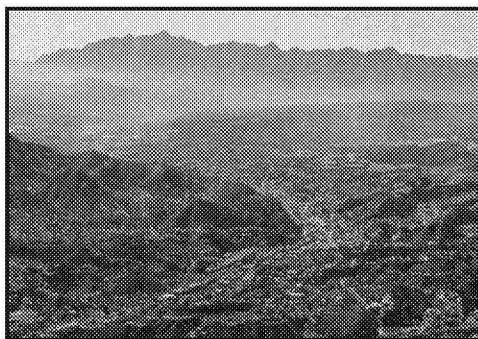
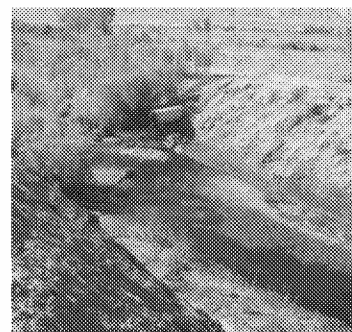


## The U.S.-Mexico Border

### WHY IS EPA ENGAGED ALONG THE U.S.-MEXICO BORDER?

#### The Binational Environmental Challenges

- Inadequate environmental infrastructure due to high population growth
- Serious air quality problems in binational air sheds
- Improper management of hazardous and solid waste
- Impaired binational watersheds and rivers; many binational rivers flow north into the U.S.



#### Specific Ongoing Challenges:

##### **Air**

- Every major airshed along the U.S.-Mexico border remains in non-attainment with national ambient air quality standards
- Inadequate air monitoring and insufficient air emissions reduction efforts

##### **Water**

- Unplanned development in Mexico affecting bi-national rivers and watersheds
- Insufficient and aging water/wastewater infrastructure

##### **Land**

- Inadequate infrastructure and institutional capacity to manage solid waste, exports of e-waste, used cars, and tires

##### **Emergency Preparedness and Response**

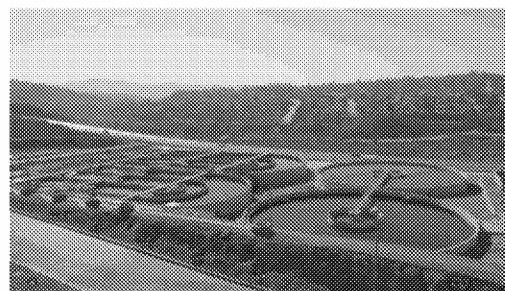
- Inadequately equipped and trained emergency response personnel in Mexico
- Insurance and liability issues potentially hinder emergency response cooperation

##### **Enforcement and Environmental Stewardship**

- Lack of public access to information on TRI-equivalent pollutant emissions in Mexican border cities

### WHAT PROGRESS HAS BEEN MADE?

- **Eliminated 350 million gallons per day of untreated sewage:** Benefited over 8.5 M border residents through improvement projects



- **Created and updated 15 Sister City emergency response contingency plans (two are tri-national)**
- **Removed more than 20 million scrap tires** from clandestine dump sites border-wide (reducing public health and air pollution risks)
- **Removed 12 tons of trash** from Tijuana canyons entering San Diego's Tijuana River Estuary (repurposed trash via demonstration projects)
- **Collected 73 tons of unused and/or obsolete pesticides** from rural areas in Arizona/Sonora and California/Baja
- Developed **first urban composting facility along the 2,000 mile border** to showcase zero waste. Facility is producing 153 tons of compost per year from green waste in Tijuana.



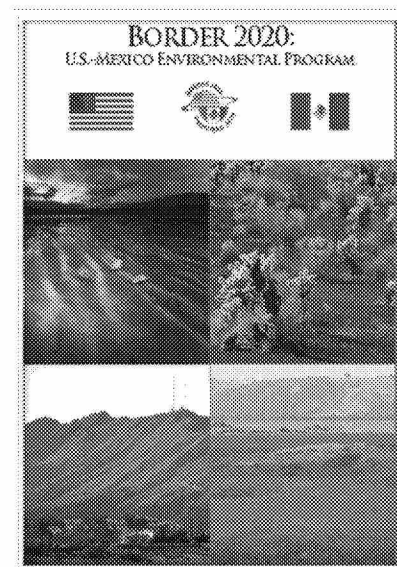
## HOW DO WE COLLABORATE WITH MEXICO ON ENVIRONMENTAL ISSUES?

### The U.S.-Mexico Environmental Program: Border 2020

- 8-Year agreement between EPA, SEMARNAT, 10 Border States, and the 26 U.S. Tribes
- 5 Policy Fora, co-chaired by the NPMs, oversee borderwide and policy issues; 4 Regional Workgroups, co-chaired by the Regions, implement projects to fulfill goals
- Emphasizes regional, bottom-up approaches for decision making, priority setting, and project implementation via local Task Forces
- Creates 2-Year Action Plans to account for shifts in resources/priorities
- Prioritizes Fundamental Strategy on Children's and Environmental Health

### Five Goals with Measurable Objectives

- Goal 1 - Reduce Air Pollution
- Goal 2 - Improve Access to Clean and Safe Water
- Goal 3 - Promote Materials and Waste Management and Clean Sites
- Goal 4 - Enhance Joint Preparedness for Environmental Response
- Goal 5 - Compliance Assurance and Environmental Stewardship

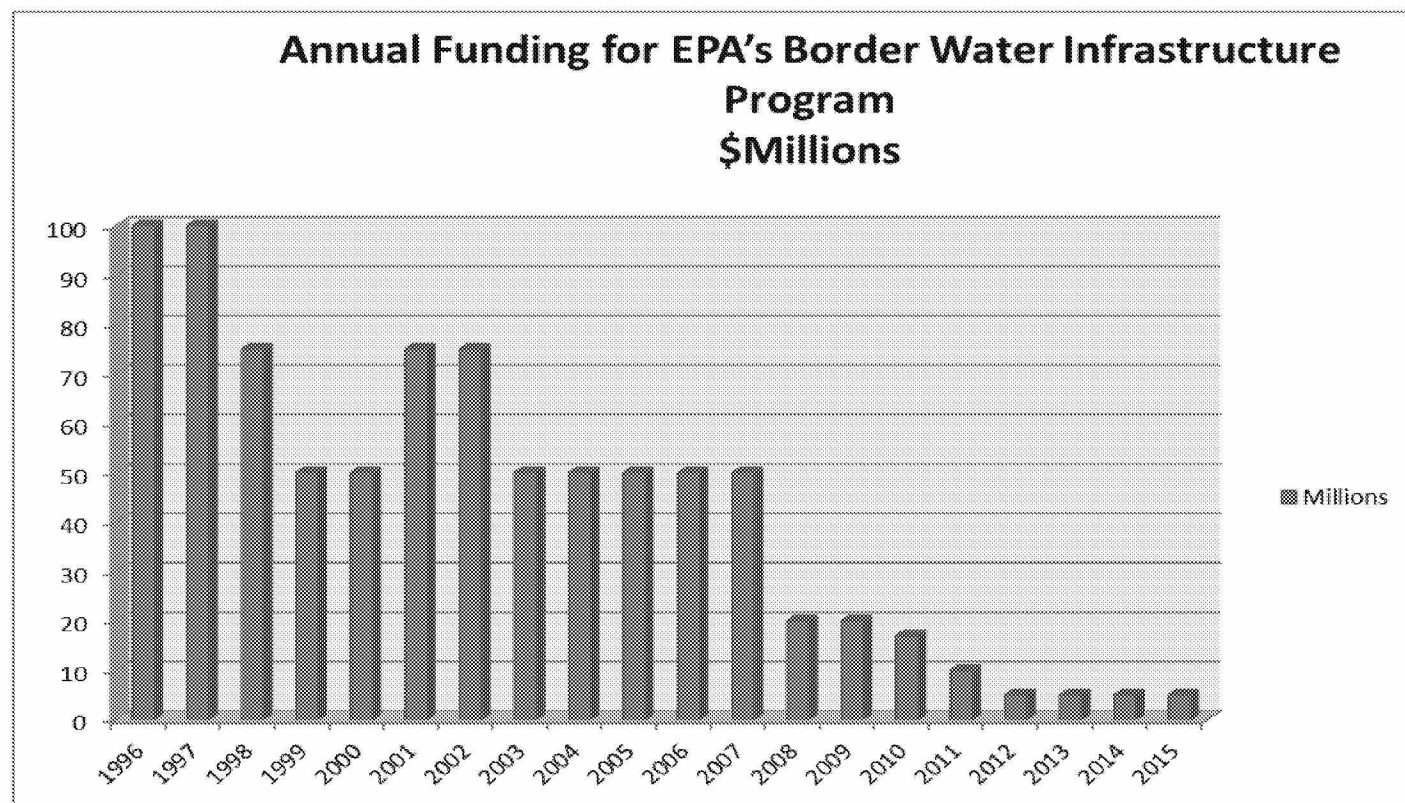


## WHAT EPA RESOURCES ARE AVAILABLE?

EPA utilizes the two primary sources of funding (next page) to implement environmental improvement projects. In addition, OAR and OSWER have provided limited STAG and/or EPM resources to the Regions in past years to fund specific border efforts. Currently, only OAR provides limited STAG/EPM funding to the Regions to support border air quality efforts.

### The Border Water Infrastructure Program (BEIF).

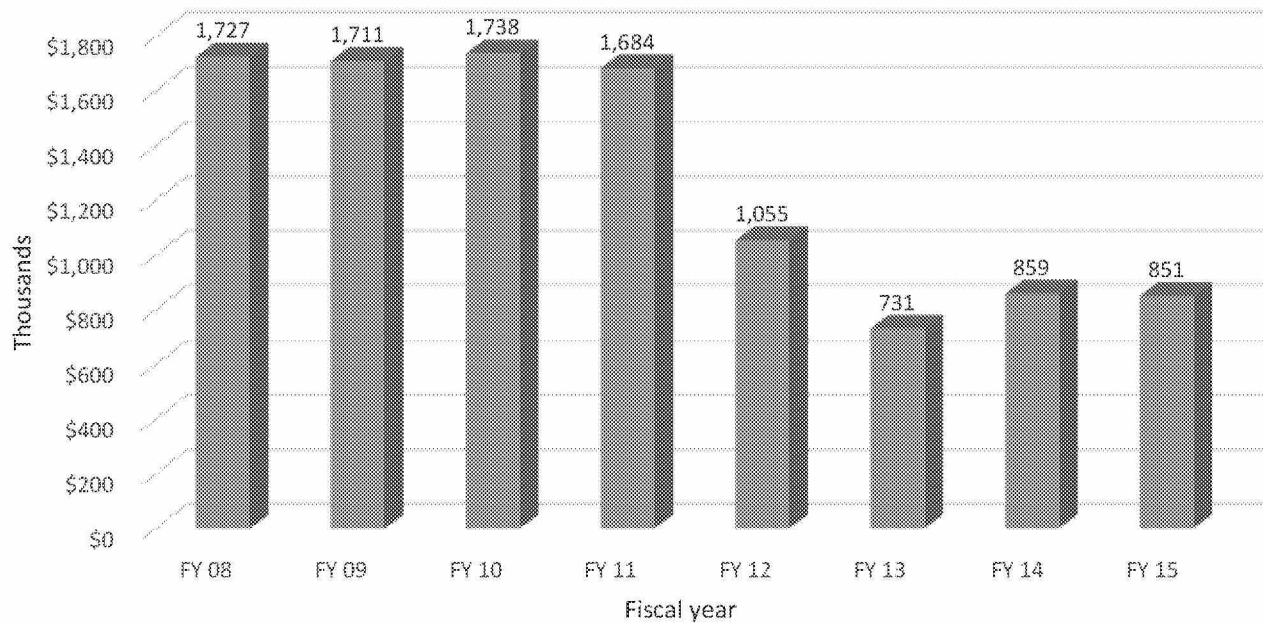
- A Congressional line item managed by OW, administered by the North American Development Bank, and implemented by Regions 9 and 6
- Funds water and wastewater infrastructure projects along the border
- Declining funding has slowed progress. \$5M for the past three fiscal years



### The Border 2020 Program

- An EPA Budget item, managed by OITA and allocated to Regions 9 and 6
- Funds non-infrastructure projects that advance binational commitments in Border 2020
- Supports local Task Forces to engage local stakeholders on priorities and progress
- Declining budget (50% less from three years ago) has slowed progress.

## Annual Funding for EPA's Border 2020 Program – Project Funding (\$Thousands)



### BORDER PROGRAM IS LEVERAGING OTHER RESOURCES & PARTNERSHIPS

- Developed MOU with the Department of Defense's Northcom which has resulted in ~ \$3million additional investment along the U.S.-Mexico Border to support emergency preparedness and response.
- Launched new Collaborative Agreement between EPA and HHS (through their U.S.-Mexico Border Health Commission) to leverage mutual resources to improve Environmental Health & Children's Health along the U.S.-Mexico Border.
- Engage philanthropic leaders to encourage more giving towards Mexico border efforts.
- Leverage an average of \$450k in additional funding per year from grantees and outside entities towards additional border projects. This annual leveraged amount represents 50% of border 2020 budget.



